

NE000296US/371

PTO/SB/81 (01-06)

Approved for use through 12/31/2008. OMB 0651-0035

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**POWER OF ATTORNEY  
and  
CORRESPONDENCE ADDRESS  
INDICATION FORM**

Application Number	10/579,620
Filing Date	16 May 2006
PCT Application No.	PCT/US2004/41004
PCT Filing Date	03 December 2004
First Named Inventor	DeFrees, Shawn
Title	GLYCOPEGYLATED GRANULOCYTE COLONY STIMULATING FACTOR
Art Unit	1654
Examiner Name	Not Yet Assigned
Attorney Docket Number	40853-5145-US01

I hereby revoke all previous powers of attorney given in the above-identified application.

I hereby appoint:

☒ Practitioners associated with the Customer Number:  
OR

43850

☐ Practitioner(s) named below:

Name	Regulation Number

as my/our attorney(s) or agent(s) to prosecute the application identified above, and to transact all business in the United States Patent and Trademark Office connected therewith.

Please recognize or change the correspondence address for the above-identified application to:

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OR☐ The address associated with Customer Number:  
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City

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I am the:

☐ Applicant/Inventor.☐ Assignee of record of the entire interest. See 37 CFR 3.71.  
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)**SIGNATURE of Applicant or Assignee of Record**

Signature	<i>Debra J. Poul</i>	Date	April 4, 2007
Name	Debra J. Poul, Esq.	Telephone	215-315-9007
Title and Company	Senior Vice President, General Counsel and Secretary		

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below\*.

☒ \*Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.31, 1.32 and 1.33. The information is required to obtain or retain a benefit by the public is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PTO/SB/96 (08-00)  
 Approved for use through 10/31/2002. OMB 0651-0031  
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 Attorney Docket No. 40853-5145-US01  
 Client Ref. No.: NEO00296US/371

### STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Shawn DeFrees, Henrik Clausen, David A. Zopf, Caryn Bowe, Zhi-Guang Wang, Marc Schwartz, and Bingyuan Wu

Application No./Patent No.: 10/579,620 Filed/Issue Date: 16 May 2006

Entitled: GLYCOPEGYLATED GRANULOCYTE COLONY STIMULATING FACTOR

Neose Technologies, Inc., a Delaware corporation  
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of an undivided part interest

in the patent application/patent identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

OR

- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: To :  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

2. From: To :  
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3. From: To :  
 The document was recorded in the United States Patent and Trademark Office at Reel \_\_, Frame \_\_, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☐ Copies of assignments or other documents in the chain of title are attached.

[NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.8]

The undersigned (whose title is supplied below) is empowered to sign this statement on behalf of the assignee.

April 4, 2007

Date

Debra J. Poul

Signature

Debra J. Poul, Esq.

Typed or printed name

Senior Vice President, General Counsel and Secretary

Title

Attorney Docket No.:040853-5145-US01  
Client Reference No.: NEO00296US/371

**ASSIGNMENT OF PATENT APPLICATION**

JOINT

WHEREAS, Shawn DeFrees of 126 Filly Drive, North Wales, PA 19454; Henrik Clausen of Soebrinken 6, DK-2840 Holte, Denmark, David A. Zopf, 560 Beechtree Lane, Wayne, PA 19087, Zhi-Guang Wang, 1473 Golden Drive, Dresher, PA 19015, Marc Schwartz of 324 Oak Lane, West Windsor, New Jersey 08550, and Bingyuan Wu of 23 Pebble Drive, Horsham, Pennsylvania 19044, hereinafter referred to as "Assignors," are the inventors of the invention described and set forth in the below-identified provisional patent application:

Title of Invention:	GLYCOPEGYLATED GRANULOCYTE COLONY STIMULATING FACTOR
Filing Date:	May 16, 2006
Application No.:	10/579,620; and

WHEREAS, Neose Technologies, Inc., located at 102 Witmer Road, Horsham, PA 19044, hereinafter referred to as "ASSIGNEE," hereinafter referred to as "ASSIGNEE," is desirous of acquiring an interest in the invention and application and in any U.S. Letters Patent and Registrations which may be granted on any patent application claiming priority from the same;

For good and valuable consideration, receipt of which is hereby acknowledged by Assignors, Assignors have assigned, and by these presents does assign to Assignee all right, title and interest in and to the invention and application and to all foreign counterparts (including patent, utility model and industrial designs), and in and to any Letters Patent and Registrations which may hereafter be granted on any patent application claiming priority from the same in the United States and all countries throughout the world, and to claim the priority from the application as provided by the Paris Convention. The right, title and interest is to be held and enjoyed by Assignee and Assignee's successors and assigns as fully and exclusively as it would have been held and enjoyed by Assignors had this Assignment not been made, for the full term of any Letters Patent and Registrations which may be granted thereon, or of any division, renewal, continuation in whole or in part, substitution, conversion, reissue, prolongation or extension thereof.

Assignors further agree that Assignors will, without charge to Assignee, but at Assignee's expense, (a) cooperate with Assignee in the prosecution of U.S. Patent applications and foreign counterparts on the invention and any improvements, (b) execute, verify, acknowledge and deliver all such further papers, including applications and instruments of transfer, and (c) perform such other acts as Assignee lawfully may request to obtain or maintain Letters Patent and Registrations for the invention and improvements in any and all countries, and to vest title thereto in Assignee, or Assignee's successors and assigns.

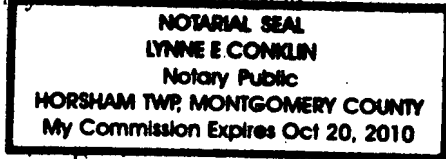
Assignors hereby authorize and request Morgan, Lewis & Bockius LLP, One Market, Spear Street Tower, San Francisco, CA 94105, to insert herein above the application number and filing date of said application when known.

Dated:

2/22/2007

  
SHAWN DEFREES

WITNESS my hand and official seal



Lynne E. Conklin  
NOTARY PUBLIC

**My Commission Expires:**

Dated: \_\_\_\_\_

HENRIK CLAUSEN

WITNESS NO. 1.: \_\_\_\_\_ Date: \_\_\_\_\_

WITNESS NO. 2.: \_\_\_\_\_ Date: \_\_\_\_\_

IN TESTIMONY WHEREOF, Assignors have signed his/her names on the dates indicated.

Dated: \_\_\_\_\_

\_\_\_\_\_  
SHAWN DEFREES

STATE OF PENNSYLVANIA     )  
  ) ss.  
COUNTY OF MONTGOMERY    )

On \_\_\_\_\_, before me, \_\_\_\_\_ personally appeared Shawn DeFrees, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
HENRIK CLAUSEN

On \_\_\_\_\_, before me, \_\_\_\_\_ personally appeared Henrik Clausen, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: Therese Th Date: 4-1-07

WITNESS NO. 2.: Erica Date: 4-3-07

Louise K. Flynn  
LOUISE K. FLYNN, Notary Public  
My Commission Expires October 8, 2010

Assignment  
Attorney Docket No.: 040853-5145-US01  
Page 3

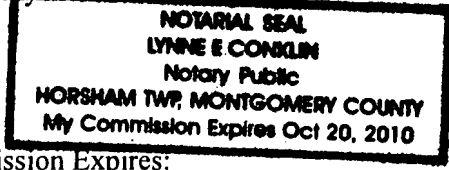
Dated: 26 Feb 2007

David A. Zopf  
DAVID A. ZOPF

STATE OF PENNSYLVANIA )  
COUNTY OF Montgomery ) ss.

On 2/26/07, before me, Lynne E. Conklin personally appeared David A. Zopf, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Lynne E. Conklin  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

Dated: \_\_\_\_\_

\_\_\_\_\_  
ZHI-GUANG WANG

STATE OF PENNSYLVANIA )  
COUNTY OF \_\_\_\_\_ ) ss.

On \_\_\_\_\_, before me, \_\_\_\_\_ personally appeared Zhi-Guang Wang, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

11E000296US

Assignment  
Attorney Docket No.: 040853-5145-US01  
Page 3

Dated: \_\_\_\_\_

\_\_\_\_\_  
DAVID A. ZOPF

STATE OF PENNSYLVANIA     )  
  ) ss.  
COUNTY OF                     )

On \_\_\_\_\_, before me, \_\_\_\_\_ personally appeared David A. Zopf, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

Dated: Feb. 16, 2007



\_\_\_\_\_  
ZHI-GUANG WANG

STATE OF PENNSYLVANIA     )  
  ) ss.  
COUNTY OF                     )

On \_\_\_\_\_, before me, \_\_\_\_\_ personally appeared Zhi-Guang Wang, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he executed the same in his authorized capacity, and that by his signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

\_\_\_\_\_  
NOTARY PUBLIC

My Commission Expires: \_\_\_\_\_

Dated: 2/28/07

Marc Schwartz  
MARC SCHWARTZ

On 2/28/07, before me, LYNNE E. CONKLIN personally appeared Marc Schwartz, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: Lynne E Conklin

Date: 2/28/07

WITNESS NO. 2.: Bonnie A. Wilson

Date: 2/28/07

Dated: 2/26/2007

Bingyuan Wu  
BINGYUAN WU

On 2/26/07, before me, LYNNE E. CONKLIN personally appeared Bingyuan Wu, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS NO. 1.: Lynne E Conklin

Date: 2/26/07

WITNESS NO. 2.: Bonnie A. Wilson

Date: 2/26/07

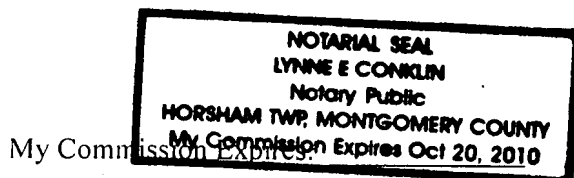
Caryn Jay Bowe  
CARYN BOWE

STATE OF PENNSYLVANIA)

COUNTY OF Montgomery ) ss.

On 2/26/07, before me, LYNNE E. CONKLIN personally appeared Caryn Bowe, personally known to me (or proved to me on the basis of satisfactory evidence) to be the person whose name is subscribed to the within instrument, and acknowledged to me that he/she executed the same in his/her authorized capacity, and that by his/her signature on the instrument the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.



Lynne E. Conklin  
NOTARY PUBLIC